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Please cancel claims 8-14 without prejudice.

3. (Amended) A composition according to claim 1 [or 2], 2 or 17, further comprising at least one decoder binding ligand.
4. (Amended) A composition according to claim 1 [or 2], 2 or 17, wherein said bioactive agents are nucleic acids.
5. (Amended) A composition according to claim 1 [or 2], 2 or 17, wherein said bioactive agents are proteins.
15. (Amended) The composition according to claim 1 [or claim 2] 2 or 17, wherein said discrete sites are wells.
16. (Amended) The method according to claim 6[, or claim 7, [claim 8, claim 13 or claim 14,] wherein said discrete sites are wells.- -.

Please add the following new claims:

- -17. An array composition comprising:
  - a) a substrate with a surface comprising discrete sites; and
  - b) a population of microspheres comprising at least a first and a second subpopulation, wherein each subpopulation comprises a bioactive agent and does not comprise a label, wherein said microspheres are randomly distributed on said surface.
18. A composition according to claim 1, 2, or 17, wherein said substrate is selected from the group consisting of glass and plastic.